

### ABSTRACT

A multi-hull design suitable for various size boats ranging from racing craft to the large military ships. The apparatus is a polygonal boat hull apparatus having a bow and stern wave penetrating feature. The hull is made from triangular-shaped essentially flat panels which provides for substantially stability and strength. The hull can be made in various configurations ranging from catamarans, triamarans to multiple hull designs in accordance with the projected use of the vessel. The invention includes a drive pod system having a plurality of propulsion units. The invention also provides at least one hydropneumatic cylinder that adjusts the angle of attack of the propulsion unit. The hull may also be rigged as a multi-masted sailing vessel.